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**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Arend et al.  
Application No. : 10/593,930  
Filed : September 21, 2006  
Title : HIGH RESPONSIVITY HIGH BANDWIDTH METAL-  
SEMICONDUCTOR-METAL OPTOELECTRONIC DEVICE  
TC/A.U. : Unassigned  
Examiner : Unassigned  
Conf. No. : Unassigned  
Docket No. : 1038-12 PCT/US  
Dated : December 26, 2006

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

I hereby certify this correspondence is being deposited with the  
United States Postal Service as first class mail, postpaid in an  
envelope, addressed to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, Virginia 22313-1450 on December 26, 2006.

Signed: \_\_\_\_\_

*Joyce Peterson*

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.

§1.56, Applicants submit herewith the following Information Disclosure Statement in  
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

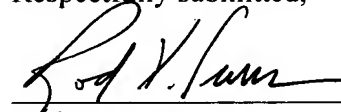
The references are listed on Applicants' Form PTO-1449, which is attached to this  
Information Disclosure Statement for the convenience of the Examiner. Applicants request  
consideration of each of the documents listed on the attached Form PTO-1449, and that such  
consideration be indicated by initialing each citation thereon.

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Serial No.: 10/593,930  
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Information Disclosure Statement  
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This Statement is being filed before the mailing of a first Office Action on the merits. Applicants believe that no fee for this submission is due. If, however, a fee is due for entry of this Information Disclosure Statement, the Office is authorized to charge Deposit Account No. 08-2461 for any such fee.

If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
1038-12 PCT/US

SERIAL NO.  
10/593,930

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT  
Arend et al.

CONFIRMATION NO.  
Unassigned

(Use several sheets if necessary)

FILING DATE  
September 21, 2006

GROUP  
Unassigned



U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,625,729	04/29/1997	Brown			
		5,945,720	08/31/1999	Itatani et al.			
		5,973,316	10/26/1999	Ebbesen et al.			
		6,034,809	03/07/2000	Anemogiannis			
		6,122,091	09/19/2000	Russell et al.			
		6,236,033 B1	05/22/2001	Ebbesen et al.			
		6,282,005 B1	08/28/2001	Thompson et al.			
		6,285,020 B1	09/04/2001	Kim et al.			
		6,441,298 B1	08/27/2002	Thio			
		6,614,960 B2	09/02/2003	Berini			
		6,713,832 B2	03/30/2004	Pardo et al.			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. 1038-12 PCT/US	SERIAL NO. 10/593,930
	APPLICANT Arend et al.	CONFIRMATION NO. Unassigned
	FILING DATE September 21, 2006	GROUP Unassigned

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Degiron et al., "Effects of Hole Depth on Enhanced Light Transmission Through Subwavelength Hole Arrays", <i>Applied Physics Letter</i> , Vol. 81, No. 23 pps. 4327-4329 December 2, 2002.
			Ebbesen et al., "Extraordinary Optical Transmission Through Sub-Wavelength Hole Arrays", <i>Nature</i> , Vol. 39, pps. 667-669, February 12, 1998.
			Lochbihler et al., "Highly Conducting Wire Gratings in the Resonance Region", <i>Applied Optics</i> , Vol. 32, No. 19, pps. 3459-3465, July 1, 1993.
			Dmitruk et al., "MSM-Photodetectors with Corrugated Metal-Semiconductor Interface Based on III-V Semiconductors", <i>SPIE</i> , Vol. 2999, pps. 384-390, January 2, 1997.
			Krishnaswami et al., "A Comparative Study of Surface Plasma Enhanced Grating Coupled Detectors", <i>SPIE</i> , Vol. 2999, pps. 391-400, January 2, 1997.

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EXAMINER

DATE CONSIDERED

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